BRUHAT BANGALORE MAHANAGARA PALIKE

MEASUREMENT SHEET

RA 1ST AND FINAL BILL

Name of work: Improvements to Roads, Drains and other works at Ramachandrapura areas in Ward No. 11, Kuvempunagara.

Estimated Cost : Rs. 27.00 Lakhs

Head of Account : P-1878

Job Number 011-18-000027

Name of Agency: Executive Engineer, KRIDL

Work order No: BBMP/EE/BTP/27/2018-19 Dated: 13.07.2018

Measurements Recarded on : 06/11/2019

Sl No	Description of item	No	L	B1	B2	Av. B	D	Qty	Unit / Rate	Amount
1	Excavation for road, drains and similar works KSRRB 300-1. Earthwork **excavation by manual means in ordinary** soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications.								Cum	
	Qty as per Premeasurement Recorded vide E-MB Page No. 1 is							**330.03**	199.36	**65795.00**
2	Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications.								Cum	
	Qty as per Premeasurement Recorded vide E-MB Page No. 2 is							**52.11**	5159.02	**268837.00**
3	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M 20 for R.C.C works laid in 15 cms thick layers and well compacted vibrating, curing, for raft foundation column footing , main and secondary beams with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)								Cum	
	Bottom Concrete									
	Ramachandrapura Main Road W/S	1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	30.00			0.90	0.15	4.05		
		1	5.00			0.90	0.15	0.68		
	Devappa Layout Road N/S	1	30.00			0.90	0.15	4.05		
		1	26.00			0.90	0.15	3.51		
	Side Wall									
	Ramachandrapura Main Road W/S	2	30.00			0.15	0.60	5.40		
		2	30.00			0.15	0.70	6.30		
		2	30.00			0.15	0.85	7.65		
		2	30.00			0.15	0.95	8.55		
		2	30.00			0.15	1.00	9.00		77.54

C&F.C 27/04

77.54 ~~84.54~~

Assistant Engineer 06/11/2019

Assistant Executive Engineer

Assistant Executive Engineer, R.R. Nagar, Sub-division, KRIDL, BBMP, Bangalore

Assistant Executive Engineer Vidyaranyapura Sub Division BBMP, Bangalore - 97

Sl No	Description of item	No	L	B1	B2	Av. B	D	Qty	Unit / Rate	Amount
		2	30.00			0.15	1.10	9.90		
		2	30.00			0.15	1.20	10.80		
		2	30.00			0.15	1.30	11.70		
		2	5.00			0.15	1.50	2.25		
	Devappa Layout Road N/S	2	30.00			0.15	0.60	5.40		
		2	26.00			0.15	0.60	4.68		44.73
								Total Qty =	**122.27**		
								Qty Limited to =	**121.59**	6231.74	**757717.00**
4	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications.								Sqm	
	Qty as per Premeasurement Recorded vide E-MB Page No. 3 is							**926.40**	310.58	**287721.00**
5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications								Cum	
	Qty as per Premeasurement Recorded vide E-MB Page No. 4 is							**7.30**	64243.42	**468977.00**
6	Providing precast slab of 100 mm thick including cost of all materials, labour, curing, transportation, loading unloading, etc., complete as per the direction of engineer in charge-Data rate								Sqm	
	Covering Slab									
	Ramachandrapura Main Road W/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	5.00				0.90	4.50		
	Devappa Layout Road N/S	1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	30.00				0.90	27.00		
		1	6.00				0.90	5.40		
								Total Qty =	**333.90**		
								Qty Limited to =	**331.00**	1760.00	**582560.00**
	Sub Total										**2431607.00**
	KRIDL Charges @ 10%										**243161.00**
	Labour Cess Charges @ 1%										**24316.00**
	Total										**2699084.00**

Rupees Twenty Six Lakh(s) Ninety Nine Thousand Eighty Four Only

06/11/2019

Assistant Engineer

Assistant Executive Engineer

Assistant Executive Engineer,
R.R. Nagar, Sub-division,
KRIDL, BBMP, Bangalore

Assistant Executive Engineer
Vidyaranyapura Sub Division
BBMP, Bangalore - 97